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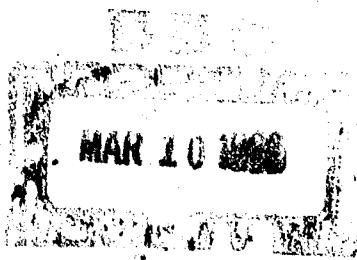
Directory
of
Department of Defense
Information Analysis Centers

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DEPARTMENT OF THE NAVY
OFFICE OF NAVAL RESEARCH
Washington, D.C. 20360

FOREWORD

"Transfer of information is an inseparable part of research and development." That is the opening statement in the well-known "Weinberg Report,"* released by The White House on January 10, 1963.

The founders of the Office of Naval Research were well aware of the importance of information to research and development. In fact, one of the missions assigned to ONR by Public Law 588, 79th Congress, was "to provide within the Department of the Navy a single office, which, by contract and otherwise, shall be able to obtain, coordinate, and make available to all bureaus and activities of the Department of the Navy, world-wide scientific information and the necessary services for conducting specialized and imaginative research."

That is still part of the ONR function and this report is a manifestation of our continuing responsibility in this area.



RADM John K. Leydon
Chief of Naval Research

*"Science, Government, and Information," A Report of the President's Science Advisory Committee, for sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, 25, D.C.

PREFACE

One of the first actions of ONR in the exchange of scientific and technical information was the establishment of the Science and Technology Project at the Library of Congress in 1947. This later became the Navy Research Section, still later was integrated with the Air Force's Central Air Documents Office to become the Armed Services Technical Information Agency, now known as the Defense Documentation Center.

The Defense Documentation Center, or DDC, is a centralized document depository, or warehouse, for Department of Defense scientific and technical reports. DDC is the authorized agency within the Department of Defense for the secondary distribution of scientific and technical reports. It is thus an important switching point in the transfer of information.

Specialized information centers provide another important switching point. Such centers are staffed by specialists in a particular scientific discipline and disseminate information rather than distribute reports. Such centers thus complement both the document depository (DDC) and technical libraries staffed by professional librarians.

Opinions differ as to how many specialized information centers exist in the United States today. According to the Weinberg report, there were then about 400 such centers.

In mid-1964, the Department of Defense identified 22 "information analysis centers" as being operated with Department of Defense funds. It should not be inferred, of course, that these centers were established as of July 1964; their origins, in fact, go back many years. Within the Department of the Navy, for example, the Chemical Propulsion Information Agency began in 1946 as the Solid Propellant Information Agency, was combined in 1962 with the Liquid Propellant Information Agency (which was started in 1956), and given its present name.

The following pages on these information analysis centers are a first attempt to help publicize the existence as well as the services of these centers to potential users in the scientific and technical community. The information was supplied by the individual centers, to whom specific questions on availability of services should be addressed.

Inasmuch as these centers are Department of Defense (DoD) centers, their services are designed for the entire DoD community, including contractors as well as activities. Reports issued by the centers are available through the Defense Documentation Center; unclassified publications are announced and may be made available to the public through the Clearinghouse for Federal Scientific and Technical Information, U.S. Department of Commerce.

The centers are listed first in alphabetical order, and second, by scientific discipline, in accordance with the Committee on Scientific and Technical Information Subject Category List.

The cooperation of the Defense Documentation Center and of the Office of the Director of Technical Information, Department of Defense, helped make this directory practicable.

CHAS. DE VORE
Office of Naval Research
August 1965

Alphabetical Listing of Information Analysis Centers

Name: Ballistic Missile Radiation Analysis Center (BAMIRAC)

Address: University of Michigan
Institute of Science and Technology
P.O. Box 618
Ann Arbor, Michigan 48107

Director: D. J. Lovell *Telephone:* 313-483-0500, Ext. 349

DoD
Cognizance: Fred Koether Oxford 7-8904
ARPA
Washington, D.C. 20301

Mission: Collect, process and disseminate information on the theory and technology associated with ballistic missile phenomena which may be useful in the design of defense systems. Analyze and evaluate theoretical and experimental results from the radiation measurements programs, with primary emphasis on the optical radiation emanating during the launch, mid-course and re-entry regimes of missile flight. Conduct semiannual AMRAC symposium and publish and distribute proceedings.

Subject
Coverage: Ballistic missile phenomena: primary emphasis on optical radiation.

Name: Battelle-Defender Information Analysis Center (BDIAC)

Address: Battelle Memorial Institute
505 King Avenue
Columbus, Ohio 43201

Director: James Ott **Telephone:** 614-299-3151, Ext. 2671

DoD
Cognizance: Fred Koether Oxford 7-8904
ARPA

Mission: Collect, process and analyze information in all disciplines covering research in defense against ballistic missiles. Provide a functional information system required to monitor existing and proposed work. Perform analyses and undertake studies of critical system problems. Prepare state-of-the-art reports, technical summaries, compendiums and annotated accessions lists. Provide information services to the entire DoD ballistic missile defense community.

Subject
Coverage: Ballistic missile defense

Name: Ceramics and Graphite Information Center

Address: Ceramics and Graphite Information Center
Air Force Materials Laboratory
Wright-Patterson Air Force Base, Ohio 45433

Director: Samuel W. Bradstreet *Telephone:* 513-CL 3-7111

DoD
Cognizance: Donald Shinn
Materials Laboratory
Wright-Patterson Air Force Base, Ohio 45433

Mission: Collects, processes, analyzes, and disseminates scientific and technical information on ceramics and graphites. Provides a unified source of collated scientific information related to the science and technology of inorganic non-metallic refractory materials for structural, nonstructural, electronic, and other applications for defense and civilian purposes. Collects, analyzes, evaluates, combines, and disseminates technical information on graphites, ceramics, and related materials. Defines deficiencies in available information and recommends greater or lesser effort in pertinent technical programs as appropriate. Products consist of reports summarizing analyzed and evaluated data, and consulting services. Input to the group is from DDC, the scientific literature, foreign technology, and direct contact with the scientific and industrial community.

Subject
Coverage: Ceramics and graphite science and engineering (application).

Name: Chemical Propulsion Information Agency

Address: Applied Physics Laboratory
The Johns Hopkins University
8621 Georgia Avenue
Silver Spring, Maryland 20910

Director: Patrick J. Martin Telephone: 301-589-7700, Ext. 560

DoD

Cognizance: John Murrin
RMMP
Bureau of Naval Weapons
Washington, D.C. 20360

Mission: Acquire the information and data from government sponsored programs in chemical propulsion technology; organize this information and data in the publications useful to members of the rocket community including government organizations, industrial concerns, universities, institutes and consultants working with chemical rocketry; disseminate chemical propulsion information and data through meetings, briefings, consultation and publications; serve as a central source for chemical propulsion contract information so that duplication in government funded research and development programs may be minimized; provide the Interagency Chemical Rocket Propulsion Group with status reports in specific areas of research and development to aid managerial decisions; provide technical data in response to inquiries from scientists and engineers engaged in chemical propulsion research and development.

Subject

Coverage: Research, development, test and evaluation information and data on chemical rockets. (This includes performance calculations of selected existing or theoretical chemicals, species and combinations; chemical synthesis; combustion studies; formulation of chemicals into solid or liquid propellant systems; physical characterization of chemicals and propellants; design of liquid rocket engines and solid rocket motors; ground tests of chemical rockets; integration of chemical rockets into flight vehicles and missiles; correlation of flight data and ground test data.)

Name: Counterinsurgency Information Analysis Center (CINFAC)

Address: c/o American University
Special Operations Research Office
5010 Wisconsin Avenue, N.W.
Washington, D.C. 20016

Director: Richard H. Moore Telephone: 202-244-7300

DoD

Mission: This information analysis center has been established to provide a rapid-response capability system which can effectively store and retrieve raw data as well as completed studies in counterinsurgency, emphasizing the social, psychological, and economic sciences. It responds to requirements from appropriate U.S. governmental and civilian agencies by providing analytical information and data, in-depth studies, bibliographic information, consultant services and state-of-the-art reviews. Input is collected from the informational base provided by the extensive cross-cultural research program in behavioral sciences conducted by the Special Operations Research Office, as supplemented by information received from the academic community, from special consultants, and from other governmental and civilian files.

Subject

Coverage: Remote area conflict and counterinsurgency, emphasizing the social, psychological, and economic sciences.

Name:

DASA Data Center

Address:

TEMPO, General Electric Company
735 State Street
Santa Barbara, California 93101

Director:

Warren Chan Telephone: 805-965-0551, Ext. 501

DoD

Cognizance:

Col. J. D. Brown, USA Oxford 7-4227
DASA
Washington, D.C. 20315

Mission:

The Center was established in 1961 by DASA to serve as a central collection point and reference center for all technical information pertinent to the effects of nuclear explosions. Its services are available to all responsible agencies and individuals conducting scientific investigations into the nature of nuclear weapon effects and their implications on present and future military systems. The Center enables rapid access to data from a wide variety of sources; announces, through its own publications, projected data collection programs, theoretical investigations, and experiments; frees other agencies from the responsibility for servicing requests for data; and forms a permanent archive of these data.

Subject

Coverage:

Effect of nuclear explosions on electromagnetic propagation; effect of electromagnetic pulse on electrical and electronic material; air blast field predictions; blast scaling; blast loading and response, blast simulation techniques; hardened instrumentation; ionospheric instrumentation; computer programs used in NWER studies.

Name: Electronic Properties Information Center

Address: Hughes Aircraft Company
Centinela and Teale Streets
Culver City, California 90230

DoD

Cognizance: R. F. Klinger
Air Force Materials Laboratory
Wright-Patterson Air Force Base, Ohio 45433

Mission: This program is designed to provide ready access to literature and experimental data relating to the electrical and electronic properties of all materials of importance in today's technology. The literature is abstracted and indexed into an automated search system. Data from the literature are evaluated and compiled into series of data sheets. Summary and state-of-the-art reports are also issued. The abstracts, which are included with requests for bibliographies, identify the materials and indicate the experimental data contained in the literature. Requests for specific or related data are likewise honored.

Subject

Coverage: Semiconductors, insulators, electroluminescent materials, thermionic emitters, ferroelectrics, ferrites, ferromagnetics, superconductors, metals, ceramics, electronic materials and documentation of electronic properties.

Name: Hibernation Information Exchange

Address: c/o Office of Naval Research Branch Office
219 South Dearborn Street
Chicago, Illinois 60604

Director: Dr. Albert R. Dawe Telephone: 312-828-6065

DoD
Cognizance: Office of Naval Research (Code 104)
Washington, D.C. 20360

Mission: To further the study of natural hibernation, particularly as it is known to occur in mammals. To provide rapid worldwide exchange of information between experts in hibernation.

Subject
Coverage: Mammalian hibernation and all related torpidities and dormancies in living creatures, such as occur in sleep and hypothermia.

Name: Infrared Information Analysis Center

Address: University of Michigan
Willow Run Laboratories
Box 618
Ann Arbor, Michigan 48104

Director: William Wolfe Telephone: 313-663-1511, Ext. 281W

DoD
Cognizance: F. B. Isakson
Code 421 (Physics Branch)
Office of Naval Research (Contract Nonr 1224 (52))
Washington, D.C. 20360

Mission: A center for the collection, analysis, and dissemination of information on infrared research and technology. The services include the publication of annotated bibliographies, state-of-the-art reports, the *Proceedings of the Infrared Information Symposia*, a classified handbook on military infrared technology, the sponsorship of symposia, and the provision of library and consultation services.

Subject
Coverage: Infrared physics and technology (including such areas as solid state physics, radiation physics and optics, infrared spectroscopy, atmospheric phenomena, information processing, military infrared equipment, and industrial and medical infrared).

Name: Mechanical Properties of Materials

Address: Belfour Engineering Company
Suttons Bay, Michigan 49682

Director: A. J. Belfour *Telephone:* 616-271-3911

DoD
Cognizance: Donald Shinn
Materials Laboratory
Wright-Patterson Air Force Base, Ohio 45433

Mission: Prepares and distributes evaluated strength data of aerospace materials. Primarily concerned with design, development and operation of mechanized systems for storage, retrieval, evaluation and presentation of complex technical information. These information system developments are intended for immediate application, utilizing available hardware. Emphasis is placed on current practicality rather than sophistication. A further and basic concept applied to the storage and retrieval of technical information is that the actual technical information and data content of documents is stored, processed, retrieved and presented. Sources of information (bibliographies, lists of references, *etc.*) are also derived and presented, along with tabular and graphical displays of materials properties.

Subject
Coverage: Mechanical properties of structural materials with primary emphasis on metals, plastics secondary, including test procedures, material formulation, processing, environments. Statistical evaluation of data.

Name: Military Entomology Information Service

Address: Walter Reed Army Medical Center
Forest Glen Section
Washington, D.C. 20012

Director: Captain J. D. DeCoursey Telephone: 301-576-5365
MSC, USN Govt. Code: 198, Ext. 5365,
5366

DoD

Cognizance: Armed Forces Pest Control Board

Mission: To organize information relating to military entomology and associated fields, and to provide for its storage and retrieval. To prepare and maintain entomologic information by geographic areas of active or probable military interest for distribution as required to military organizations; respond to requests from individuals or organizations for specific information on military entomology; automatically distribute periodically annotated bibliographic citations of selected accessions to individuals whose fields of interest are made known to the AFPCB; and furnish duplicate copies of reprints on entomologic (or allied) subjects not available from Defense Documentation Center or local library facilities to military units.

Subject

Coverage: Military medical entomology and engineer entomology.

Name: National Oceanographic Data Center
Address: Washington Navy Yard, Bldg. 160
Washington, D.C. 20390
Director: Dr. Woodrow Jacobs Telephone: 202-Oxford 8-3757

DoD

Cognizance: U.S. Naval Oceanographic Office
Washington, D.C. 20390

Mission: The NODC is primarily a central repository for the Nation's oceanographic data. Part of its mission is: to receive, compile, process, and preserve oceanographic data for rapid retrieval; establish procedures for insuring that the accuracy and general quality of the incorporated data meet the criteria established by the Advisory Board, and prepare data summaries, tabulations, and atlases showing annual, seasonal, and monthly oceanographic conditions.

Subject

Coverage: All areas of oceanography; physical, geological and biological and related environments.

Name: Nondestructive Testing Information Center

Address: U.S. Army Materials Research Agency
Watertown, Massachusetts 02172

Director: E. H. Rodgers Telephone: 617-926-1900, Ext. 655
Chief, N.D.T. Branch

DoD

Cognizance: Army Materials Research Agency

Mission: Collection, maintenance and dissemination of information in the field of nondestructive testing. Collects information from technical reports, the open literature and other sources. Stores the information in a rapid retrieval system, and disseminates this information upon request to government installations and others. Represents a service for those interested in information on nondestructive testing. Publishes NDT newsletters and report guides to literature in various sub-fields of nondestructive testing. Renders technical advice and assistance upon request.

Subject

Coverage: Nondestructive testing (radiography, ultrasonics, electromagnetics, and various other NDT methods).

Name: Plastics Technical Evaluation Center (PLASTEC)

Address: Picatinny Arsenal
Dover, New Jersey 07801

Director: Harry E. Pebly, Jr. Telephone: 201-328-4222

DoD
Cognizance: Mr. Norman L. Klein, AMCRD-RC
Army Material Command
Washington, D.C. 20315

Mission: Collect, exchange, collate, develop, and evaluate technical data on plastic materials of interest to the Department of Defense. Distribute these data and evaluations of them to DoD activities, their designees, or other organizations with demonstrable defense supporting interests upon request. Render technical advice and assistance on plastics to DoD activities upon request.

Subject
Coverage: Plastic materials of interest to DoD. Emphasis on plastics in structural applications (particularly weapons systems), electrical and electronic applications, packaging and mechanical goods applications.

Name: Remote Area Conflict Information Center (RACIC)

Address: Battelle Memorial Institute
505 King Avenue
Columbus, Ohio 43201

Director: John Murdock **Telephone:** 614-299-3151, Ext. 2062

Mission: Collect, store and disseminate information concerning remote area conflict, emphasizing the physical and engineering sciences aspects. Provide a quick-response functional information system required to monitor research in counterinsurgency. Perform analyses and issue state-of-the-art reports and technical summaries. Provide information center services to all participants in remote area conflict and Project AGILE.

Subject
Coverage: Remote area conflict and counterinsurgency, emphasizing the physical and engineering sciences.

Name: Shock and Vibration Information Center

Address: U.S. Naval Research Laboratory (Code 4020)
Washington, D.C. 20390

Director: Dr. W. W. Mutch *Telephone:* 202-574-2220
Govt. Code: 172 Ext. 2220

DoD

Cognizance: Office of Naval Research (Code 104)
Washington, D.C. 20360

Mission: To serve the Department of Defense, the National Aeronautics and Space Administration, and their contractors by the collection, correlation, and dissemination of needed information on the environmental factors of shock and vibration.

Subject

Coverage: Mechanics, mechanical engineering, shock and vibration.

Name: Thermophysical Properties Research Center

Address: Purdue University, Research Park
2595 Yeagor Road
Lafayette, Indiana 47906

Director: Dr. Y. S. Touloukian Telephone: 317-743-3827

DoD

Cognizance: Edward Dugger
Air Force Materials Laboratory
Wright-Patterson Air Force Base, Ohio 45433

Mission: To provide scientific and technical information based on a critical evaluation of previous data and if necessary new measurements and/or calculations in the thermophysical properties field. To provide authoritative and comprehensive source information on the thermophysical properties of *all matter* covering the world literature. To conduct experimental research on new determinations to fill in gaps and to reconcile discordant data of thermophysical properties.

Subject

Coverage: Thermophysical properties of all substances (all three phases), seven properties: viscosity, thermal conductivity, thermal diffusivity, diffusion coefficient, specific heat, thermal radiative properties, spectral and total (emissivity, reflectivity, absorptivity, transmissivity), coefficient of expansion, Prandtl number.

Name: VELA Seismic Information and Analysis Center (VESIAC)

Address: University of Michigan
Box 618
Ann Arbor, Michigan 48107

Director: Thomas Caless Telephone: 313-483-0500, Ext. 294W

DoD

Mission: Collect, process and disseminate seismic and related information for the VELA UNIFORM program. Analyze this information and issue technical summaries and state-of-the-art reports. Prepare a compendium, bibliographies, information digest and monographs. Provide information center services to VELA UNIFORM community working in the detection of underground explosions.

Subject

Coverage: Military seismics; seismology, subsurface explosions (including nuclear); ground noise; microseisms; artificial earthquakes; elastic waves; geological structure; ground movement instrumentation and detection; ocean bottom seismics

Listing of Information Analysis Centers by Scientific Discipline

Biological and Medical Sciences

Hibernation Information Exchange
c/o Office of Naval Research Branch Office
219 South Dearborn Street
Chicago, Illinois 60604

Director: Dr. Albert R. Dawe
Phone : Area Code 312-828-6085

Military Entomology Information Service
Walter Reed Army Medical Center
Forest Glen Section
Washington, D.C. 20012

Director: Captain J. D. DeCoursey, MSC, USN
Phone : Area Code 301-576-5365
Govt. Code 198 Ext. 5365, 5366

Chemistry

Chemical Propulsion Information Agency
The Applied Physics Laboratory
The Johns Hopkins University
8621 Georgia Avenue
Silver Spring, Maryland 20910

Director: Patrick J. Martin
Phone : Area Code 301-589-7700 Ext. 560

Earth Sciences and Oceanography

National Oceanographic Data Center
Washington Navy Yard, Bldg 160
Washington, D.C. 20390

Director: Dr. Woodrow Jacobs
Phone : Area Code 202-Oxford 8-3757
Govt. Code 11 Ext. 83757

VELA Seismic Information and Analysis Center
(VESIAC)
University of Michigan
Box 618
Ann Arbor, Michigan 48107

Director: Thomas Caless
Phone : Area Code 313-483-0500 Ext. 294W

Human Factors Engineering

Human Engineering Information and Analysis Service
Tufts University
Bolles House
Medford, Massachusetts 02155

Director: Dr. Paul G. Ronco
Phone : Area Code 617-776-2100 Ext. 336

Materials

Ceramics and Graphite Information Center
Air Force Materials Laboratory
Research and Technology Division
Wright-Patterson Air Force Base, Ohio 45433

Director: Samuel W. Bradstreet
Phone : Area Code 513-CL 3-7111

Defense Metals Information Center
Battelle Memorial Institute
505 King Avenue
Columbus, Ohio 43201

Director: Roger J. Runck
Phone : Area Code 614-299-3191

Electronic Properties Information Center
Hughes Aircraft Company
Centineka and Teale Streets
Culver City, California 90230

Director: H. Thayne Johnson
Phone : Area Code 213-391-0711 Ext. 3474

Mechanical Properties Data Center
Belfour Engineering Company
Suttons Bay, Michigan 49682

Director: Albert J. Belfour
Phone : Area Code 616-271-3911

Plastics Technical Evaluation Center (PLASTEC)
Picatinny Arsenal
Dover, New Jersey 07801

Director: Harry E. Pebly, Jr.
Phone : Area Code 201-328-4222

Radiation Effects Information Center
Battelle Memorial Institute
505 King Avenue
Columbus, Ohio 43261

Director: E. N. Wyler
Phone : Area Code 614-299-3151 Ext. 2923, 2553
or 2354

Thermophysical Properties Research Center
Purdue University, Research Park
2595 Yeagor Road
West Lafayette, Indiana 47906

Director: Dr. Y. S. Touloukian
Phone : Area Code 317-743-3827

Mechanical, Industrial, Civil, and Marine Engineering

Shock and Vibration Information Center
U.S. Naval Research Laboratory (Code 4020)
Washington, D.C. 20390

Director: Dr. W. W. Mutch
Phone : Area Code 202-574-2220
Govt. Code 172 Ext. 2220

Nondestructive Testing Information Analysis Center
U.S. Army Materials Research Agency
Watertown, Massachusetts 02172

Director: Ernest H. Rodgers
Phone Area Code 617-926-1900 Ext. 655

Military Sciences

Ballistic Missile Radiation Analysis Center (BAMIRAC)
University of Michigan
Institute of Science and Technology
P. O. Box 618
Ann Arbor, Michigan 48107

Director: D. J. Lovell
Phone : Area Code 313-483-0500 Ext. 349

Battelle-Defender Information Analysis Center
(BDIAC)
Battelle Memorial Institute
505 King Avenue
Columbus, Ohio 43201

Director: James Ott
Phone : Area Code 614-299-3151 Ext. 2671

Counterinsurgency Information Analysis Center
(CINFAC)
c/o American University
Special Operations Research Office
5010 Wisconsin Avenue, N.W.
Washington, D.C. 20016

Director: Richard H. Moore
Phone : Area Code 202-244-7300

Remote Area Conflict Information Center (RACIC)
Battelle Memorial Institute
505 King Avenue
Columbus, Ohio 43201

Director: John Murdock
Phone : Area Code 614-299-3151

Physics

DASA Data Center
TEMPO, General Electric Co.
735 State Street
Santa Barbara, California 93101

Director: Warren Chan
Phone : Area Code 805-965-0551 Ext. 501

Infrared Information and Analysis Center
University of Michigan
Institute of Science and Technology
Willow Run Laboratories
Box 618
Ann Arbor, Michigan 48104

Director: William Wolfe
Phone : Area Code 313-663-1511 Ext. 281W

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